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Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.: CECTC/GE/Ward No.16/2019-20

Date: 28.01.2020

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
AGENCY	:	**M/s. Green Energy Technologies, Smt. Yashoda S**, Contractor, Bangalore.
NAME OF THE WORK	:	Providing C C Camera at Garbage Block Spots in Ward no.16
REFRENCE	:	EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	170 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00 %	-

Information is furnished by the Agency

Note

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Experts

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
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Job No.: CECTC/GE/Ward No.16/2019-20

Date : 28.01.2020

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency : **M/s. Green Energy Technologies, Smt. Yashoda S,** Contractor, Bangalore.

Name of Work : Providing C C Camera at Garbage Block Spots in Ward no.16

Refrence : EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017

Date of Testing : 28.01.2020

Material : Sand

Total Wt. of Aggregates **1500**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	98	6.53	6.53	93.5	90-100
2.36	132	8.80	15.33	84.7	75-100
1.18	278	18.53	33.87	66.1	55-90
600 Micron	256	17.07	50.93	49.1	35-59
300 Micron	384	25.60	76.53	23.5	8-30
150 Micron	312	20.80	97.33	2.7	0-10

Information is furnished by the Agency

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3. Any Query regarding the report must be reported within 15 days from date of testing

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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.: CECTC/GE/Ward No.16/2019-20 Date : 28.01.2020

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency : **M/s. Green Energy Technologies, Smt. Yashoda S**, Contractor, Bangalore.
Name of Work : Providing C C Camera at Garbage Block Spots in Ward no.16
Refrence : EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017

Date of Testing : 28.01.2020

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	512	3.41	3.41	96.59	95-100
20	8514	56.76	60.17	39.83	30-70
10	3216	21.44	81.61	18.39	10-35
4.75	2389	15.93	97.54	2.46	0-5

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Job No.: CECTC/GE/Ward No.16/2019-20

Date : 28.01.2020

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.

Agency : **M/s. Green Energy Technologies, Smt. Yashoda S**, Contractor, Bangalore.

Name of Work : Providing C C Camera at Garbage Block Spots in Ward no.16

Refrence : EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017

Date of Testing : 28.01.2020

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	167	3.3	3.3	96.7	95-100
10	2942	58.8	62.2	37.8	25-55
4.75	1683	33.7	95.8	4.2	0-10

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NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.: CECTC/GE/Ward No.16/2019-20

Date: 27.02.2020

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yashwanthapura Sub Division, BBMP, Bangalore.
Agency	: **M/s. Green Energy Technologies, Smt. Yashoda S,** Contractor, Bangalore.
Name of Work	: Providing C C Camera at Garbage Block Spots in Ward no.16
Refrence	: EE/RRND/Wo. No/76/2017-18 Dated:08.08.2017
Sample ID	: Reinforced Cement Concrete
Location	: Concrete for Holding Pipe
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28 days

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.01.2020	27.02.2020	8.256	501.2	22.28
2	30.01.2020	27.02.2020	8.154	535.6	23.80
3	30.01.2020	27.02.2020	8.179	488.2	21.70

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